

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 68439

Page 2

Wednesday, April 13, 2011 11:25:39 AM

Item ID: D4382-1

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: Angled Bearpaw Clamp

Start Date: 4/13/2011 Start Qty: 2.00



Cust Item ID:

Required Date: 4/19/2011 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC8- Inspect parts - second check

0.00



QC

Memo PA 1 Q43
7/11/14
JM-03

0.00

Quality Control

130

Form as per dwg

0.00



Brake NC

Memo

0.00

Brake NC

SB 11/6/18

(2)

ATO

140

QC5- Inspect part completeness to step on W/O

0.00 - inspector to PA1



QC

Memo

0.00

Quality Control

DM only

6/11/15

(42)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: *JS* Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
11/04/18	130	1 st clamp was not at 6° P.C. Try out process	<u> <i>JS</i> </u> 11.04.18 081042	Scrap + destroy No replace	SB 11/04/18	<u> <i>JS</i> </u> 11/04/18	<u> <i>JS</i> </u> 11.04.18 081042	<u> <i>JS</i> </u> 11/04/18



NOTE: Date & initial all entries



Work Order ID 68439

Wednesday, April 13, 2011 11:25:39 AM

Page 3

Item ID:	D4382-1	Accept		Setup	Start	
Revision ID:	PRELIM				Stop	
Item Name:	Angled Bearpaw Clamp					
Start Date:	4/13/2011	Start Qty:	2.00		Cust Item ID:	
Required Date:	4/19/2011	Req'd Qty:	2.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: <i>Paul</i>	0.00							
									
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
									
QC	Memo	0.00							
Quality Control									

As sent back 11.04.21

POSITIVE RECALL
EFFECTIVE *11/04/11* AUTH *[Signature]*
RELEASED *[Signature]* DATE *11/04/11*

Scrap Eng Lab 11.00.02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

Wednesday, April 13, 2011 11:25:46 AM

Work Order ID: 68439



Parent Item: D4382-1



Parent Item Name: Angled Bearpaw Clamp

Start Date: 4/13/2011

Required Date: 4/19/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 11.04.11 NEW ISSUE DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S14GA

Purchased

No

100

sf

30.0000

0.05513

0.116063



FB11-4-13

304SS sheet .080

Location

Loc Qty

Loc Code

MAT020

30

113295

30

113295

(3)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	68439
Description: Angled Bear Paw Clamp		Part Number:	DU362-1 (Best)
Inspection Dwg: D4302	Rev: PA1	Page 1 of 1	

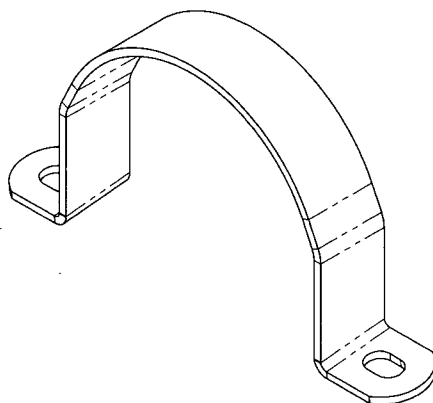
☒ **First Article** ☐ **Prototype**

[illegible]

Measured by:	<i>[Signature]</i>	Audited by:	<i>[Signature]</i>	Prototype Approval:	N/A
Date:	11/6/18	Date:	11/6/18	Date:	N/A

Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	

to PAT Day only



D4382-1 ANGLED BEARPAW CLAMP

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 68439

11-11-04-13
PRELIMINARY A1
11.03.30 AJS

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4382-1" AND B/N "BXXXXX"
PER DART QSI 044 6.1 (FINE POINT MARKER)
- 7) WEIGHT: 0.13 lbs

PA1	NEW ISSUE	AJS	11.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		D4382	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		ANGLED BEARPAW CLAMP	NTS
DATE	11.03.30	<small>COPYRIGHT © 2011 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

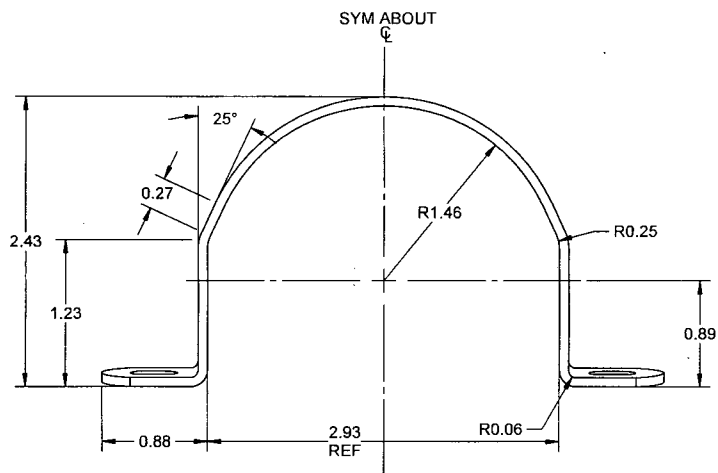
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

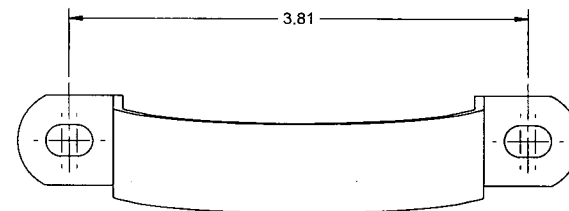
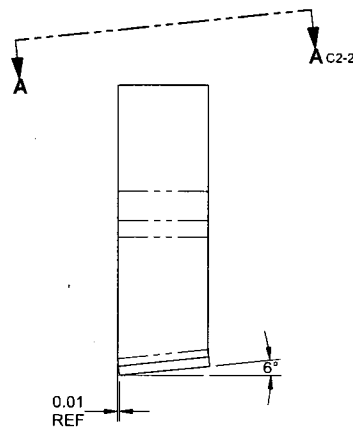
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

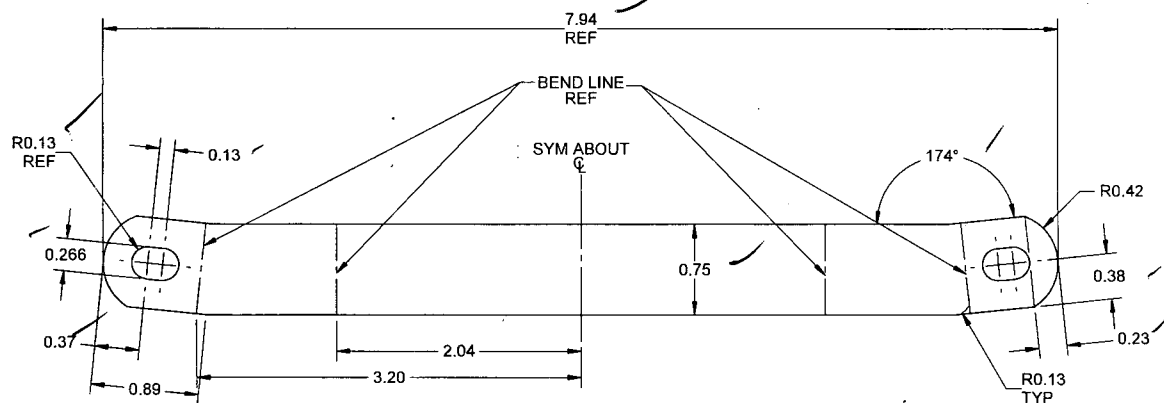


D4382-1 ANGLED BEARPAW CLAMP



VIEW A-A D3-2

PRELIMINARY A1
11.03.30 AJS



D4382-1F ANGLED BEARPAW CLAMP
(FLAT PATTERN)

u/o 68439

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		D4382	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		ANGLED BEARPAW CLAMP	NTS
DATE	11.03.30	<small>COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Receiving Report

Date: 9/4/27

Batch No: M113295

Supplier: MAGNA

Dart P/O: 10809

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 0214130 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

[Signature]

Production/Admin: 9/11/30
 Date:
 Received/Costing:
 Initial:

Location

Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-MAG002	Magna Stainless								
PO10809	1		M304SI4GA	sf	11/24/2009	11/30/2009	160.0000	\$7.50	0.0000	0	\$1,200.00
CAD	No		304SS sheet .080	sf	160.0000	Stores		\$1,200.00	0.0000	0	
			113295								
	2		M304SI6GA	sf	11/24/2009	11/30/2009	320.0000	\$5.31	0.0000	0	\$1,700.00
	No		304/316 Sheet .063	sf	320.0000	Stores		\$1,700.00	0.0000	0	
			113295								
	3		M304R1.750	f	11/24/2009	11/30/2009	12.1000	\$20.58	0.0000	0	\$249.05
	No		304 ROUND BAR 1.750	f	12.0000	Stores		\$249.05	0.0000	0	
			113295								
	4		M303R0.750	f	11/24/2009	11/30/2009	12.1000	\$3.83	0.0000	0	\$46.38
	No		303 Round Bar 0.750	f	12.0000	Stores		\$46.38	0.0000	0	
			113295								
Total Received Quantity:										504.2000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$3,195.44	
Total Balance Due Quantity:										0.0000	



Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



PACKING LIST

Page 1 of 1

I020078

SOLD TO
DART AEROSPACE LTD
1270 ABERDEEN STREET

SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY, ON
K6A 1K7
Contact: CHANTAL

HAWKESBURY, ON
K6A 1K7
Ship Terms: PREPAID

MTR:Y

SPECIAL INSTRUCTIONS

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	P010809	
Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W021806	NET 30 DAYS	NIR:R-557065-1	11/20/09	11/27/09	11/27/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	STAINLESS ROUNDS SRB 304 1-3/4" x R/L			1
			12'10" 100 LB / 1 PC	L029520	79354	1
1		PC	SRB 303 3/4" x R/L			1
			12'1" 20 LB / 1 PC	L031096	423312	1
5		PC	STAINLESS SHEET SSH 304 2B 14ga x 48" x 96"			5
			525 LB / 5 PC	C030389	829393	5
10		PC	MUST USE HT # 829393 SSH 304 2B 16ga x 48" x 96"			10
			840 LB / 10 PC	A030388	829394	10
Bundles: 1		Skids: 1		Approx Weight:		1,485 LB

Logan

Received by: _____ Date: _____ Signature: _____

VIRAJ PROFILES LIMITED

10 IMPERIAL CHAMBERS, FIRST FLOOR,
WILSON ROAD BALLARD ESTATE
MUMBAI 400 038 INDIA

INSPECTION CERTIFICATE

CUSTOMER :

MAGNA STAINLESS INC (DIV OF CANADIAN
SPECIALTY METALS INC.)
5775 RUE KIERAN ST-LAURENT
QUEBEC H4S 0A3

ORDER NO. :

P003627

PACKING LIST NO. :

IMP/02069

INSPECTION NO. :

IMP/102069/8

DATE :

19/05/2009

BUNDLE NO. :

2051172

GRADE :

T-304/304L

DESCRIPTION :

STAINLESS STEEL ROUND BARS L/C NO.: 1700448 DT: 16/06/2009

Salu/30 9/11/30

PEELED & POLISHED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
1 3/4	ROUND	ASTM A484	12' R/L	13	1369

CHEMICAL ANALYSIS

HEAT NO.	79354
C	0.022
Mn	1.44
Si	0.42
S	0.024
P	0.036
Ni	8.05
Cr	18.10
Mo	0.50
Cu	0.48
N	0.081
Co	0.12

TEST RESULT

2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
44	92	56	70	185	8

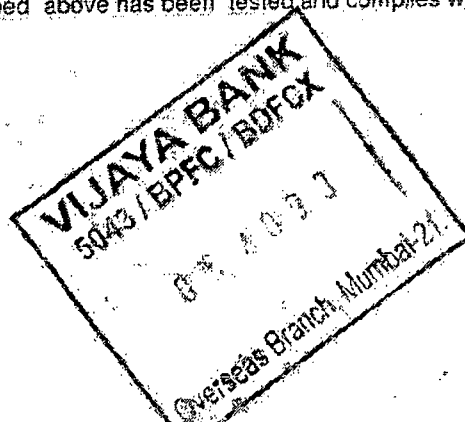
Specification :

MATERIAL COMFORMS TO ASTM A 276-08, COND. A, A 379/479M-08a, G. COND. A, A 182/182M-08a & A 320/320M-05a B8 CL1, A 484-06b, A 182/182M-08 COND. A, ASME SA 479-98, COND. A, SA 182-98 B8 CL1, SA 320-98 B8 CL1, SA 182-98 (CHEMISTRY ONLY), NACE MR0175-2002, AMS QQ-S-763 B-08, COND. A, (EXCEPT MARKING), AMS 5639/3/5847H (EXCEPT MARKING), INTERGRANULAR CORROSION TEST AS PER ASTM A 262-02a PRACTICE E, GRAIN SIZE AS PER ASTM E 112-96a1, IMPROVED MACHINABILITY QUALITY, UNS-S-30400/S-30403 CERTIFICATE AS PER EN 10204-3.1.

Remarks :

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINOUS MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/min, WATER-QUENCHED, MELT SOURCE AOD, MELT & MANUFACTURED INDIA COUNTRY OF ORIGIN INDIA. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certified that the material described above has been tested and complies with the terms of order/contract.



WORKS INSPECTOR

Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Via della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Ciente / Baseline/Purchase/Client:
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Usine producer

Oggetto Prove: - Annealed Cold Drawn
Prüfungsbefund/Inspektionsergebnisse

Avviso di Spedizione: D-VI09017149
Lieferungsanweisung/Lieferungsbefehl

Ordine nr: 907002333 Stock - Canada
Bestell-/Vorder-/Auftrag/Command

Tipo di Elaborazione: E+AOD
Erzeugnisbezeichnung/Herstellung/Produktionsverfahren

CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

Certificato nr: MEST774991/2009/
Prüfung/Inspektion

Conferma ordine nr: E109004135
Werkz./Vor-/Auftrag/Nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Style de l'usine - producer

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Peignon de l'inspecteur

Specifiche:
Anforderungen / Requirements / Exigences

VAL CANADA 2 303 A,CF
ASTM A314 2008 S30300
DOD-F-24669 8 S30300
(0) SEC II PT.A 2007 EDITION ADD. 2008a

AMS 5640 U TYPE I
ASTM A320 2008 B8F
MIL-S-862 B/1 303

ASME-SA328 2007 B8F (0)
ASTM A582 2005 S30300
QQ-S-354 B/2 303

Qualità: 303
Werkstoff/Qualität/Matériau

Marca: MV188ZHS MAXIVAL
Markenbezeichnung/Brand/Numéro

Punzonatura: 303
Kettzeichen/Marking/Markierung

Pos. nr. Pos. nr. N.° de poste	Oggetto Gegegenstand Objet de produit	Dimensioni Abmessungen Dimensions	Tolleranza Toleranz Tolérance	Forma Form Forme	Pezzi Stückzahl Pièces	Peso - LB Gewicht Poids	Lotto nr. Losau. Lot n.°
0010	Round	0,7500	484-06B	146 / 147	423312	4.744	834700760

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt. Anlage erfüllt.
The material has been furnished in accordance with all requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Vermischungsprüfung: spezialanalytisch durchgeführt
Anmischung/Testing performed: OK
Contrôle antimélange fait: L.S.

Controllo visivo e dimensionale: soddisfa le esigenze:
Bauartprüfung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST ALLO STATO DI FORNITURA										
TEST	Prove/Verfahren Spezifikation Long term Spec. DIN 50901 Long term Spec. Long term Spec. mm	° F	Prove/Verfahren Spezifikation Long term Spec. DIN 50901 Long term Spec. Long term Spec. mm	Snervamento Biegezug Yield Stress Rp 0,2 % k.s.i.	Snervamento Biegezug Yield Stress Limite élastique	Resistenza Biegezug Tensile Strength Rm k.s.i.	Allungamento Biegezug Elongation E 4d %	Strizione Biegezug Reduction of area RA %	Resilienza Biegezug Impact Value Rch/ft-lb	Durezza Härte Dureté HB
Valori richiesti Anforderungen/Requirements Valeurs demandées		min max		30	-	75	- 35	- 50	-	140 241
A	12,5	68 L		70		101	43	51		239

IL=lunghezza/length, Tr=trascorrimento, Q=Temperatura/temperature

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colida/Steel Schmelze/Cast	min max 0,150	1,00	2,00	17,00 19,00	0,30	1,00	8,00 10,00	-	0,15	0,15 0,40	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %	-	-	-	-
423312	0,035	0,46	1,96	17,68	0,35	0,60	8,50	0,109	0,03	0,33	0,004	-	-	-	-

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940 °F for 0,5hr/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, s.4.3 by TÜV and LLOYD'S

Vicenza, 29/07/09

V00010
(Mod. MCEN)

Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine

M. Rizzoli

Pagina - 1 di 1

PO05349 - 829393

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. & DATE 05349 06/05/09		CUST. CODE 574738	ACCEPTING MLL VANDERGRIFF, PA.	SHIPPER NO. 427038	PRODUCT CODE 13020102060000	MILL ORDER NUMBER 30-069-202	DATE SHIPPED 08/06/09
FORMAS DISTRIBUTION SOLD TO 1 SHIP TO SPEC		REPEAT ORDER 94045-0	DO RATE 28	GOVT CONTRACT 7219.14.0000	MATL 1121 VANDERGRIFF	SHIPPING LOCATION PA	INVOICE 668451
MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT		PRIME SEC. DSO DSO 20	COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN		SHIP TO		

8/9/10/30

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09) (ASTM-A-480-09)

ITEM PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEC	TAG #/ CD	SKID #
001	1 48./075/2021	829393	07109N172	8763075	21130	50	21080		651551	
	C CUST IDENTITY 304B075X48				21130	50	21080			
	1 SKID									

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST	--C---	--MN--	--P---	--S---	--SI--	--CR--	--NI--	--N---
HEAT 829393	.05	.97	.033	.0005	.44	18.2	8.1	.07

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	GRAIN SIZE	HARDENABILITY
001 8763075				NR	83.HRBW	NR	NR	NR
	T 48000.	92500.	55.		84.HRBW			

* Y.S. BY 0.2% OFFSET METHOD

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

08/06/09 11:37:26

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Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-6577. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

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The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Tracy McFarland
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6158-3 908

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
05349 06/05/09		574738	VANDERGRIFF, PA.	427038	13020102060000	30-069-202	08/06/09
FORMS DISTRIBUTION		REPEAT ORDER	DO RATE	PRI. ORTY	GOV'T CONTRACT	MATL.	SHIPPING LOCATION
SOLD TO 1 SHIP TO SPEC		94045-0	28	7219.14.0000	1121 VANDERGRIFF	PA	668451
SOLD TO		PRIME SEC.	SHIP TO				
MAGNA STAINLESS		DSO DSO	COILEX				
5775 KIERAN ST.		20	1450 GRAHAM BELL				
QUEBEC CANADA H4S 0A3			QUEBEC ZIP CODE: J4B 6H5				
SAINT-LAURENT			BOUCHERVILLE CN				

GRADE AND SPECIFICATIONS

CARRIER - CUSTOMER TRUCK

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09) (ASTM-A-480-09)

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 17 DATED 05/12/2008. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001. DIN EN 10204:2005 - 3.1. ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD-MERK BLATT WO/TRD100 AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR A NADCAP AND ISO/IEC 17025 ACCREDITED LABORATORY.

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C,S BY COMBUSTION/INFRARED
N,O,H BY INERT FUSION/THERMAL CONDUCTIVITY
MN,P,SI,CR,NI,MO,CU,CB,CO,V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB,BI,AG BY GFAA

FOR ACCESS TO ONLINE CERTIFICATES OF TEST
REGISTER AT WWW.ALCEXTRA.COM

PAGE 02 - FINAL PAGE.

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Tracy McFarland
Director, Corporate Quality Assurance

PO05349-829394

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. & DATE 05349		CUST. CODE 06/05/09 574738		ACCEPTING MILL VANDERGRIFF, PA.		SHIPPER NO. 427038		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-069-187		DATE SHIPPED 08/06/09	
FORMS DISTRIBUTION SOLD TO 1 SHIP TO 1 SPEC		REPEAT ORDER 94045-0		DO RATE 28		PRI-ORITY 7219.14.0000		MATERIAL 1121 VANDERGRIFF		SHIPPING LOCATION PA		INVOICE 668450	
SOLD TO MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT				PRIME SEC. DSO 20		SHIP TO COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN							

801/4/30

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-480-09) (ASTM-A-240-09A) (ASTM-A-370-09)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	48./060/2149.	829394	07099N793	8763049	20670	50	20620		651358		
		C CUST IDENTITY 304B060X48										
		1 SKID				20670	50	20620				

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST	--C---	--MN--	--P---	--S---	--SI--	--CR--	--NI--	--N---
HEAT 829394	.06	.95	.034	.0003	.47	18.2	8.1	.06

ITEM TEST NO	YIELD PSI *	TENSILE & ELONG PSI IN 2"	% R/A	HARDNESS NR	BEND NR	GRAIN SIZE NR	HARDENABILITY NR
001 8763049	T 45500.	94000.	58.	83.HRBW	NR	NR	NR
	* Y.S. BY 0.2% OFFSET METHOD						

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PAGE 01 - CONTINUED ON PAGE 02

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Tracy McFarland
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 8168-3 908

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05349		06/05/09		574738		VANDERGRIFF, PA.		427038		13020102060000		30-059-187	
FORMS DISTRIBUTION													
SOLD TO		1		SHIP TO		SPEC		REPEAT ORDER		DO RATE		PRI ORITY	
MAGNA STAINLESS								94045-0		28		7219.14.0000	
5775 KIERAN ST.												1121 VANDERGRIFF	
QUEBEC CANADA H4S 0A3												PA	
SAINT-LAURENT												668450	
												SHIP TO	
												COILEX	
												1450 GRAHAM BELL	
												QUEBEC ZIP CODE: J4B 6H5	
												BOUCHERVILLE CN	

GRADE AND SPECIFICATIONS

CARRIER - CUSTOMER TRUCK

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09) (ASTM-A-480-09)

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MN,P,SI,CR,NI,MO,CU,CB,CO,V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
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Tracy McFarland
Director, Corporate Quality Assurance



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO10809**

Purchase Order Date 11/20/09

PO Print Date 11/20/09

Page Number 1 of 2

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

FAKED
C-291110

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 363 6646	Requisition Nbr	
Vendor Fax	514 339 1105	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304S14GA	304SS sheet .080	11/24/09 Yes	✓ 160.00 sf	Yours ppd	\$7.5000	\$1,200.00
		Special Inst:	MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH ASPER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				
2	M304S16GA	304/316 Sheet .063	11/24/09 Yes	✓ 320.00 sf	Yours ppd	\$5.3125	\$1,700.00
		Special Inst:	AS ABOVE				
3	M304R1.750	304 ROUND BAR 1.750	11/24/09 Yes	12.00 f	Yours ppd ✓ NEC 12.12	\$20.5830	\$247.00
		Special Inst:	MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: 303 NOT ACCEPTABLE)				

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 11/20/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10809

Purchase Order Date 11/20/09

PO Print Date 11/20/09

Page Number 2 of 2

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

4

M303R0.750

303 Round Bar 0.750

11/24/09

Yes

12.00 Yours ppd

\$3.8333

\$46.00

F REC 12-10 (08/11/27)

Special Inst:

MATERIAL: AISI 303 ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

PO Total:

\$3,193.00

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 11/20/09

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable